

13281  
010604  
U.S.PTO

PTO/SB/05 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. M4065.0624/P624

First Inventor Howard Rhodes

Title METHOD AND APPARATUS PROVIDING CMOS  
IMAGER DEVICE PIXEL WITH TRANSISTOR  
HAVING LOWER THRESHOLD VOLTAGE, etc.

Express Mail Label No.

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)

2.  Applicant claims small entity status.  
See 37 CFR 1.27.

3.  Specification [Total Pages 46]  
(preferred arrangement set forth below)  

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed Sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 9]

5. Oath or Declaration [Total Sheets 2]  
 a.  Newly executed (original or copy)  
 b.  Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)  
 i.  DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
named in the prior application,  
see 37 CFR 1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76

MS Patent Application  
ADDRESS TO: Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8.  Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 

- a.  Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
  - i.  CD-ROM or CD-R (2 copies); or
  - ii.  Paper
- c.  Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9.  Assignment Papers (cover sheet & document(s))

10.  37 CFR 3.73(b) Statement  Power of Attorney (when there is an assignee)

11.  English Translation Document (if applicable)

12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations

13.  Preliminary Amendment

14.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)

15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

16.  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).  
Applicant must attach form PTO/SB/35 or its equivalent.

17.  Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation  Divisional  Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_

Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

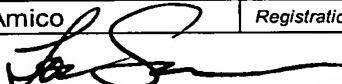
 Customer Number: 24998 OR  Correspondence address belowName DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP  
Thomas J. D'Amico

Address 2101 L Street NW

City Washington State DC Zip Code 20037-1526

Country US Telephone (202) 785-9700 Fax (202) 887-0689

Name (Print/Type) Thomas J. D'Amico Registration No. (Attorney/Agent) 28,371

Signature  Date January 6, 2004

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003, Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 3,798.00)

Complete if Known	
Application Number	NOT YET ASSIGNED
Filing Date	January 6, 2004
First Named Inventor	Howard Rhodes
Examiner Name	Not Yet Assigned
Art Unit	N/A
Attorney Docket No.	M4065.0624/P624

METHOD OF PAYMENT (check all that apply)					FEE CALCULATION (continued)																																																																																																																																																																																																															
<input type="checkbox"/> Check <input checked="" type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/> Deposit Account: Deposit Account Number <b>04-1073</b> Deposit Account Name <b>Dickstein Shapiro Morin &amp; Oshinsky LLP</b>					<b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th colspan="2">Fee Description</th> <th>Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th></th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for ex parte reexamination</td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td></tr> <tr><td>1252</td><td>420</td><td>2252</td><td>210</td><td>Extension for reply within second month</td></tr> <tr><td>1253</td><td>950</td><td>2253</td><td>475</td><td>Extension for reply within third month</td></tr> <tr><td>1254</td><td>1,480</td><td>2254</td><td>740</td><td>Extension for reply within fourth month</td></tr> <tr><td>1255</td><td>2,010</td><td>2255</td><td>1,005</td><td>Extension for reply within fifth month</td></tr> <tr><td>1401</td><td>330</td><td>2401</td><td>165</td><td>Notice of Appeal</td></tr> <tr><td>1402</td><td>330</td><td>2402</td><td>165</td><td>Filing a brief in support of an appeal</td></tr> <tr><td>1403</td><td>290</td><td>2403</td><td>145</td><td>Request for oral hearing</td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td></tr> <tr><td>1453</td><td>1,330</td><td>2453</td><td>665</td><td>Petition to revive - unintentional</td></tr> <tr><td>1501</td><td>1,330</td><td>2501</td><td>665</td><td>Utility issue fee (or reissue)</td></tr> <tr><td>1502</td><td>480</td><td>2502</td><td>240</td><td>Design issue fee</td></tr> <tr><td>1503</td><td>640</td><td>2503</td><td>320</td><td>Plant issue fee</td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td></tr> <tr><td>1809</td><td>770</td><td>2809</td><td>385</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td></tr> <tr><td>1810</td><td>770</td><td>2810</td><td>385</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td></tr> <tr><td>1801</td><td>770</td><td>2801</td><td>385</td><td>Request for Continued Examination (RCE)</td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td></tr> <tr><td colspan="5">Other fee (specify) _____</td></tr> <tr> <td colspan="5">SUBTOTAL (1) (\$ 770.00)</td></tr> <tr> <td colspan="5">2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</td></tr> <tr> <td>Total Claims</td> <td>143</td> <td>-20** =</td> <td>123</td> <td>Fee from below</td> <td>Fee Paid</td> </tr> <tr> <td>Independent Claims</td> <td>12</td> <td>-3** =</td> <td>9</td> <td>18.00</td> <td>2,214.00</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td></td> <td>86.00</td> <td>774.00</td> </tr> <tr> <td colspan="5">SUBTOTAL (2) (\$ 2,988.00)</td></tr> <tr> <td colspan="5">**or number previously paid, if greater; For Reissues, see above</td></tr> <tr> <td colspan="5">*Reduced by Basic Filing Fee Paid</td></tr> <tr> <td colspan="5">SUBTOTAL (3) (\$ 40.00)</td></tr> </tbody> </table>					Large Entity	Small Entity	Fee Description		Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)		1051	130	2051	65	Surcharge - late filing fee or oath	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	1053	130	1053	130	Non-English specification	1812	2,520	1812	2,520	For filing a request for ex parte reexamination	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	1251	110	2251	55	Extension for reply within first month	1252	420	2252	210	Extension for reply within second month	1253	950	2253	475	Extension for reply within third month	1254	1,480	2254	740	Extension for reply within fourth month	1255	2,010	2255	1,005	Extension for reply within fifth month	1401	330	2401	165	Notice of Appeal	1402	330	2402	165	Filing a brief in support of an appeal	1403	290	2403	145	Request for oral hearing	1451	1,510	1451	1,510	Petition to institute a public use proceeding	1452	110	2452	55	Petition to revive - unavoidable	1453	1,330	2453	665	Petition to revive - unintentional	1501	1,330	2501	665	Utility issue fee (or reissue)	1502	480	2502	240	Design issue fee	1503	640	2503	320	Plant issue fee	1460	130	1460	130	Petitions to the Commissioner	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	1806	180	1806	180	Submission of Information Disclosure Stmt	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	1801	770	2801	385	Request for Continued Examination (RCE)	1802	900	1802	900	Request for expedited examination of a design application	Other fee (specify) _____					SUBTOTAL (1) (\$ 770.00)					2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE					Total Claims	143	-20** =	123	Fee from below	Fee Paid	Independent Claims	12	-3** =	9	18.00	2,214.00	Multiple Dependent				86.00	774.00	SUBTOTAL (2) (\$ 2,988.00)					**or number previously paid, if greater; For Reissues, see above					*Reduced by Basic Filing Fee Paid					SUBTOTAL (3) (\$ 40.00)				
Large Entity	Small Entity	Fee Description		Fee Paid																																																																																																																																																																																																																
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																																	
1051	130	2051	65	Surcharge - late filing fee or oath																																																																																																																																																																																																																
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.																																																																																																																																																																																																																
1053	130	1053	130	Non-English specification																																																																																																																																																																																																																
1812	2,520	1812	2,520	For filing a request for ex parte reexamination																																																																																																																																																																																																																
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																																
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																																																
1251	110	2251	55	Extension for reply within first month																																																																																																																																																																																																																
1252	420	2252	210	Extension for reply within second month																																																																																																																																																																																																																
1253	950	2253	475	Extension for reply within third month																																																																																																																																																																																																																
1254	1,480	2254	740	Extension for reply within fourth month																																																																																																																																																																																																																
1255	2,010	2255	1,005	Extension for reply within fifth month																																																																																																																																																																																																																
1401	330	2401	165	Notice of Appeal																																																																																																																																																																																																																
1402	330	2402	165	Filing a brief in support of an appeal																																																																																																																																																																																																																
1403	290	2403	145	Request for oral hearing																																																																																																																																																																																																																
1451	1,510	1451	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																																
1452	110	2452	55	Petition to revive - unavoidable																																																																																																																																																																																																																
1453	1,330	2453	665	Petition to revive - unintentional																																																																																																																																																																																																																
1501	1,330	2501	665	Utility issue fee (or reissue)																																																																																																																																																																																																																
1502	480	2502	240	Design issue fee																																																																																																																																																																																																																
1503	640	2503	320	Plant issue fee																																																																																																																																																																																																																
1460	130	1460	130	Petitions to the Commissioner																																																																																																																																																																																																																
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)																																																																																																																																																																																																																
1806	180	1806	180	Submission of Information Disclosure Stmt																																																																																																																																																																																																																
8021	40	8021	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																																																
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																																																
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																																																
1801	770	2801	385	Request for Continued Examination (RCE)																																																																																																																																																																																																																
1802	900	1802	900	Request for expedited examination of a design application																																																																																																																																																																																																																
Other fee (specify) _____																																																																																																																																																																																																																				
SUBTOTAL (1) (\$ 770.00)																																																																																																																																																																																																																				
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE																																																																																																																																																																																																																				
Total Claims	143	-20** =	123	Fee from below	Fee Paid																																																																																																																																																																																																															
Independent Claims	12	-3** =	9	18.00	2,214.00																																																																																																																																																																																																															
Multiple Dependent				86.00	774.00																																																																																																																																																																																																															
SUBTOTAL (2) (\$ 2,988.00)																																																																																																																																																																																																																				
**or number previously paid, if greater; For Reissues, see above																																																																																																																																																																																																																				
*Reduced by Basic Filing Fee Paid																																																																																																																																																																																																																				
SUBTOTAL (3) (\$ 40.00)																																																																																																																																																																																																																				

SUBMITTED BY		(Complete if applicable)	
Name (Print/Type)	Thomas J. D'Amico	Registration No. (Attorney/Agent)	28,371
Signature		Telephone	(202) 828-2232
		Date	January 6, 2004